



**COLVILLE FISH
HATCHERY
NEWTECH SKILLS
CENTER
FISH AND WILDLIFE
PROGRAM**

Colville, Kettle Falls, and Panorama High School

NEWTECH Skill Center:

- ❖ Open to all high school aged students in Northeast Washington
- ❖ Have 22 students in one morning 2.5 hour class this year
- ❖ Have students from Colville, Kettle Falls, Panorama High Schools and 1 home school student
- ❖ Students are earning 1 science and 2 vocational (CTE) credits in Fish and Wildlife Management

COLVILLE FISH HATCHERY

✓ NEWTECH SKILLS CENTER FISH AND WILDLIFE PROGRAM

- Re-opened and remodeled the Colville Fish Hatchery
- The Land payment and expenses for the Hatchery are paid by selling fish
- The students and I are raising Rainbow Triploid trout to be placed in local lakes
- Fish Production:
 - Trout Lodge Rainbow Triploid Trout: September 2013
 - 26,000 with 11% mortality
 - Selling 22,000 @ 25 fish per pound in May
 - Spokane Rainbow Triploid Trout: January 2014
 - 140,000 with 12% mortality
 - Selling 122,000 @ 100 fish per pound in May

NEWTECH Skill Center

- ❖ Have 26 students enrolled for next school year
- ❖ Will offer two sections, am & pm next year: can serve 46 students
- ❖ Expanding to bring in Inchelium and Chewelah High School students and more home school students
- ❖ Setting up articulation agreement with Bellingham Technical College to offer fisheries college credit.

LEARNING TARGETS:

- Survey population densities
- Fish production in the hatchery
- Fish and wildlife diseases
- Microbiology
- Hatchery safety
- Natural resource enhancement
- Leadership skills
- Fishing rod construction
- Fish nutritional requirements
- GPS and mapping
- Fish life cycle and genetics
- Marketing, business and economics of a hatchery
- Water quality and flow

MATH:

Formulas

- **Dry weighing eggs/fish:**

$453.59 \times \# \text{ of fish} / \text{weight in grams}$

- **Dividing fish between tanks:**

$(\# \text{ of fish} / 11\text{lb}) \times (11\text{lb} / 453.59) = \text{fish} / \text{grams}$

- **Feeding rate per tank:**

$\# \text{ of fish} / \text{fish per lb.} = \text{total lbs of fish per tank,}$

$\% \text{ of feed} \times 453.59 = \text{grams of feed}$

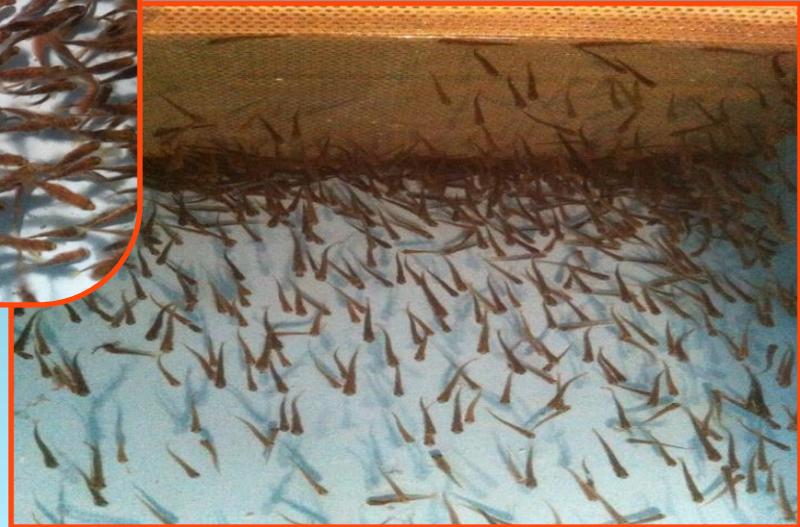
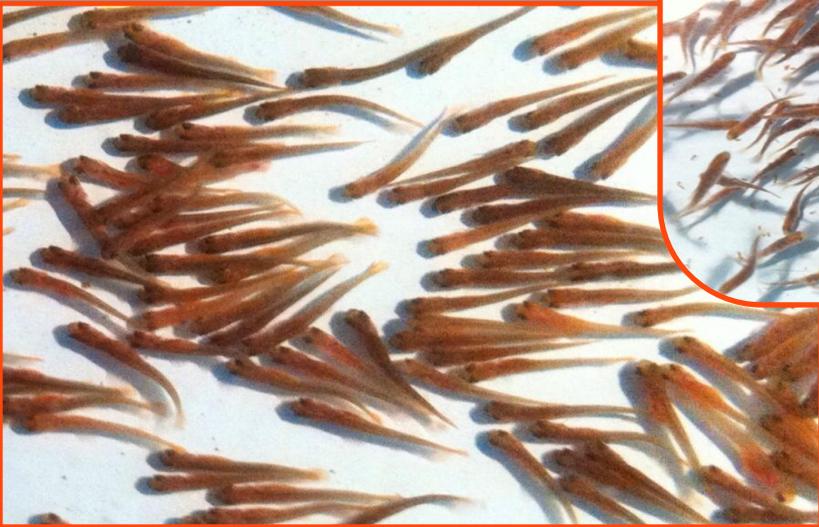
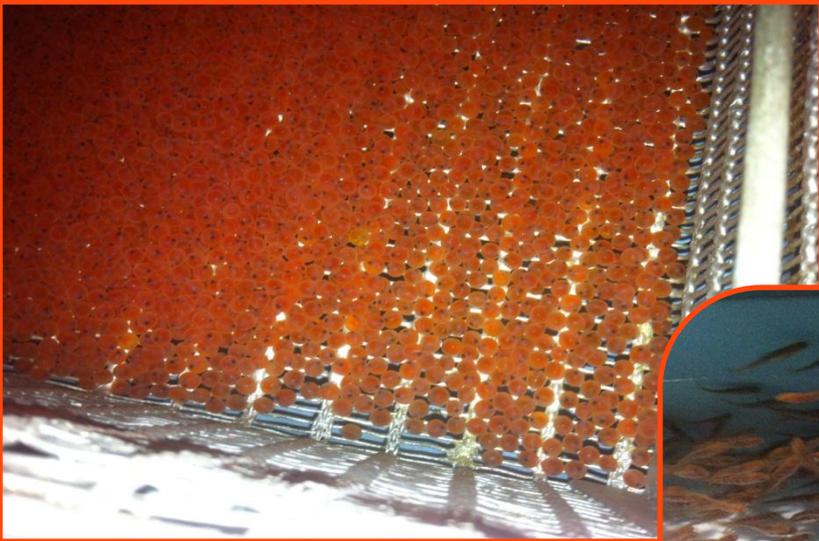
- **Checking flow rate:**

$\text{gallons} / \text{min} = \text{gallons per min}$

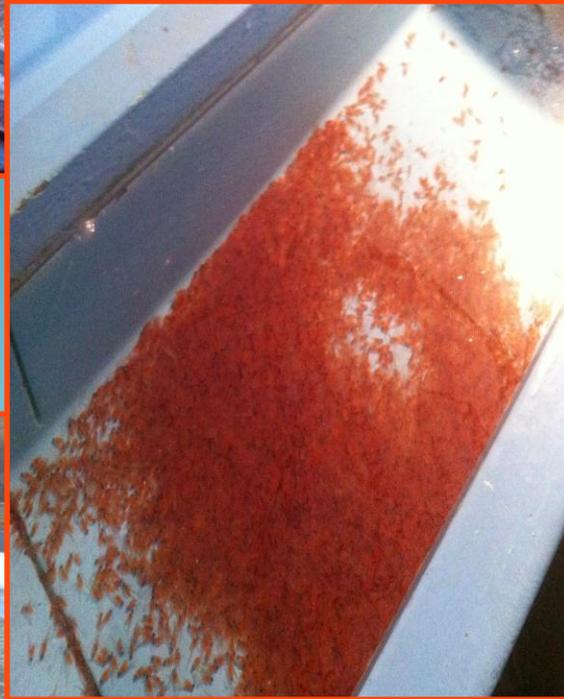
DAILY SCHEDULE:

- ❖ Hatchery team meeting
- ❖ Hand feed our big fish the calculated amount of food they get
- ❖ Learn a new hatchery/wildlife subject
- ❖ Fill feeders and Clean big troughs
- ❖ Pick morts, clean small troughs

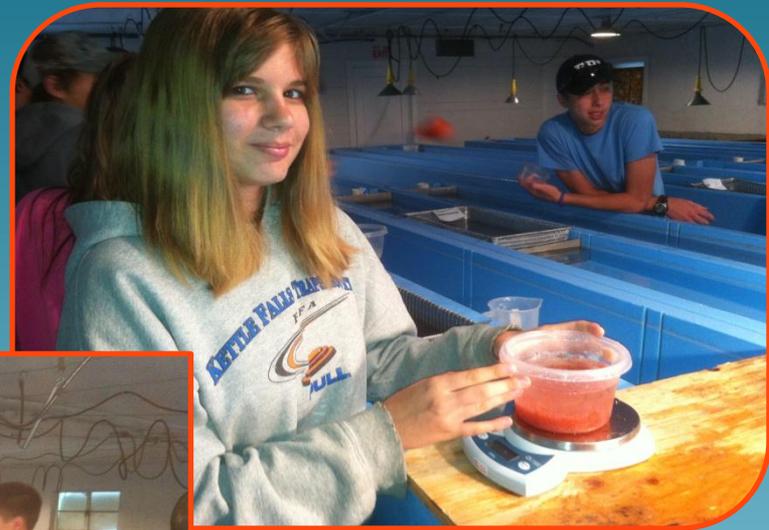
FISH:



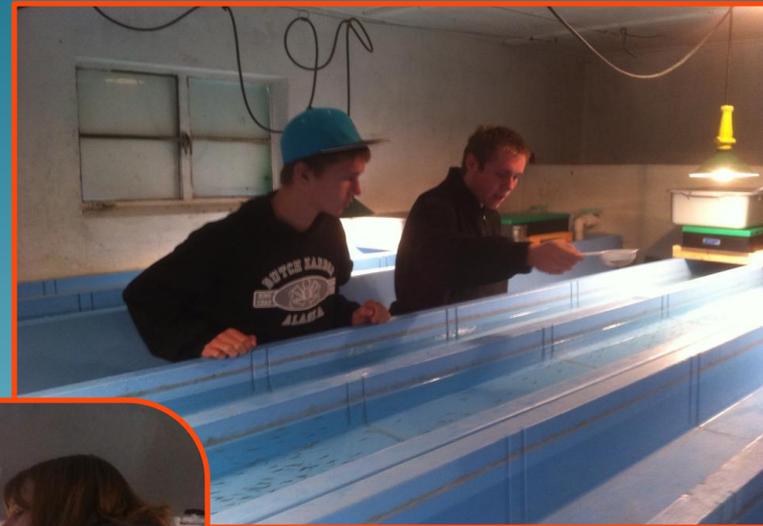
FISH:



STUDENTS WORKING WITH FISH:



STUDENTS WORKING WITH FISH:



WORKING WITH THE FISH:



REMODEL: SUMMER CONSTRUCTION



REMODEL: SHEETROCKING



REMODEL: PAINTING



CONSTRUCTION:



CONSTRUCTION: FINISHING IT OFF



Certificate of Occupancy
CITY OF COLVILLE
Department of Building Inspection

This Certificate issued pursuant to the requirements of Section 111 of the International Building Codes certifying that at the time of issuance this structure was in compliance with the various ordinances of the City regulating building construction or use. For the following:

Use Classification Vocational Education Facility Code Edition 2009 IBC Building Permit No. 8513
Group E Type Construction V B Occupant Load _____ Sprinkler System No Use Zone OS
Owner of Building Stevens County Address 215 S. Oak St., Colville, WA 99114
Building Address 390 N. Hofstetter St. Locality Colville, Stevens County, WA

Robert A. Cleaver
Building Official

By: Robert A. Cleaver
Date: January 21, 2014

POST IN A CONSPICUOUS PLACE



Why we are in this program



Operating Structure

- Washington for Wildlife: Lease
- Hatchery advisory board: 10 members/volunteers
- Hatchery manager, Jono Esvelt, NEWTECH, School, District 81
- Hatchery security and fish care support, RJ trade out for rent
- 15 fish/feeding/weekend/holiday volunteers
- Kettle Falls SD, Colville SD, Colville Alternative, Home school
- Daily hatchery needs, 22-25 students, 2 ½ hours a day

Owner: Stevens County Commissioners

Washington for Wildlife Hatchery Advisory Board of Directors:

Chairman: Gary Douvia

10 members

Stevens County commissioner representative: Malcom Friedman (retired county commissioner)

Washington for Wildlife: Dale Denny (president of Washington for Wildlife)

Fish Industry: Dave Hewes (owner of Hewes Craft Boats)

Education/School: Will Sarett (NEWTECH director)

Education/School: Jim Hill (Kettle Falls principal)

Fisherman: Ken House (Officer- Walleye Club)

Hatchery Sector: Jim Ebel (Retired Colville Hatchery Manager)

Conservation: Dean Hellie (Director Stevens County Conservation District)

Forestry: Jeff Pitts (owner of Arden Tree Farms)

Community Support Work:

	Estimated value:
Ressa Construction	\$6,000
Palumbo Construction	\$4,000
City of Colville	\$2,000
Dalles Crape Forestry	\$500
Hennigan Plumbing	\$2,000
Fogle Pump and Supply	\$200
Stevens County	\$3,000
Clarks All Sports	\$300
Colville Garage Door	\$100
Divco Heating and Air Conditioning	\$1,000
Builders Shopping Center	\$1,000
Riverbend Construction	<u>\$100</u>
Total:	\$20,200

Donors:

• Cynthia Hockersmith	\$50
• Frank Urabeck	\$200
• Stevens County Pomona Grange	\$250
• Bear Paw Outfitters	\$100
• Hallandale Road Maintenance LLC	\$250
• Hewes Craft	\$1,000
• Kettle Falls Lion	\$1,500
• Kettle Falls Rotary	\$500
• Kettle Falls Lady Lions	\$250
• Walleye Club	\$1,000
• Tammy Ringer	\$100
• Carol Ervest	\$100
• Larmie and Bev Edwards	Anonymous

Grants:

• ALEA	\$44,000
• Lowes	<u>\$5,000</u>
Total	\$54,300

A photograph of a pond or stream. The water is dark and reflects the surrounding greenery. There are many lily pads floating on the surface. In the background, there are tall reeds and other plants. The word "QUESTIONS?" is written in a large, blue, serif font across the middle of the image.

QUESTIONS?